

LAMPIRAN

Lampiran 1. Hasil Analisa Asam Amino Hidrolisat Original



LABORATORIUM KIMIA TERPADU INSTITUT PERTANIAN BOGOR INTEGRATED LABORATORY BOGOR AGRICULTURAL UNIVERSITY

Gedung Pascasarjana Wing Kimia Lantai Dasar Kampus IPB Baranangsiang, Jl. Pajajaran Bogor 16144
Phone/Fax. 0251-8319894, 8323571, Email : admin@ilab-ipb.org ISO/IEC 17025 Certificate No : LP-156-IDN

FR-20.2-LT-1.0

LABORATORY TEST REPORT

Page 2 of 2

Certificate No. : LT-10-17-0910 Received Date : 04-10-2017
Laboratory No. : BM/X/17/2319 Finished Date : 25-10-2017
Sample Matrix : Material (Hidrolisat Protein Kepala Udang Beku)
Sample Id : Original
Packaging : Plastic

Parameter	Result	Unit	Method
Amino Acid			
Aspartic acid	0.72	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Glutamic acid	1.21	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Serine	0.33	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Histidine	0.15	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Glycine	0.47	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Threonine	0.35	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Arginine	0.47	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Alanine	0.47	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Tyrosine	0.26	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Methionine	0.29	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Valine	0.26	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Phenylalanine	0.38	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
I-leucine	0.25	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Leucine	0.53	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Lysine	0.71	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Amino Acid Total	6.87	% w/w	IK.LP-04.7-LT-1.0 (HPLC)

REMARKS:

*) Outside the scope of accreditation

Lab Kimia Terpadu IPB is not responsible for the sampling process



October 27, 2017
Head of Laboratory,

Dr. Komar Sutriah, MS
NIP. 19630705 199103 1 004

Pengaduan tidak akan kami layani setelah 2 (dua) minggu penerbitan sertifikat. Hasil pengujian ini tidak untuk digandakan dan hanya berlaku untuk contoh-contoh tersebut di atas.
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Lampiran 2. Peak Hasil Analisa Asam Amino Hidrolisat Original



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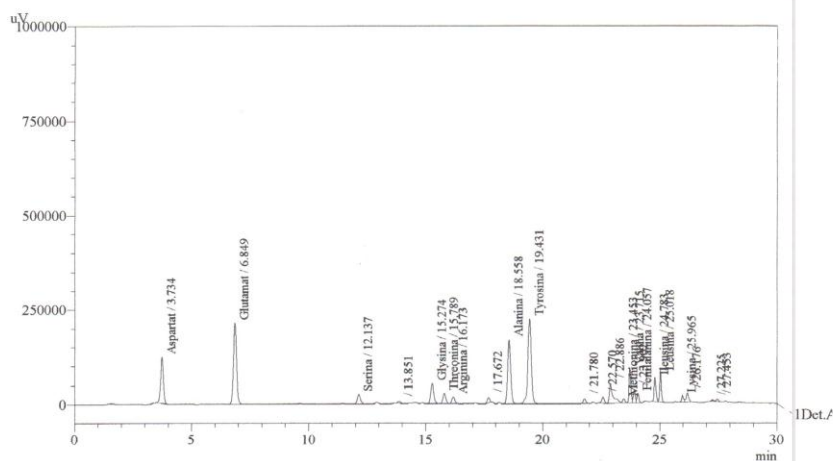
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Phone/Fax. 0251-8319894, 8323571, Email : admin@ilab-ipb.org ISO/IEC 17025 Certificate No : LP-156-IDN

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LABORATORY TEST REPORT

Page 3 of 3

Analysis Date & time : 10/25/2017 3:33:00 PM
User Name : Admin
Sample Name : LT-10-17-0910 (BM-X-17-2348-2349) MATERIAL
Sample ID : HIDROLISAT FRESH



Detector A Ch1 350nm - 450nm

Peak#	Name	Ret. Time	Area	Area %	Resolution
1	Aspartat	3.734	993645	9.040	0.000
2	Glutamat	6.849	1974530	17.965	13.123
3	Serina	12.137	238379	2.169	21.072
4		13.851	40957	0.373	7.288
5	Glycina	15.274	486122	4.423	6.152
6	Threonina	15.789	246398	2.242	2.153
7	Arginina	16.173	161403	1.468	1.627
8		17.672	109801	0.999	6.785
9	Alanina	18.558	1529150	13.912	3.924
10	Tyrosina	19.431	2296385	20.893	3.405
11		21.780	100895	0.918	9.930
12		22.570	121078	1.102	3.939
13		22.886	591826	5.385	1.538
14	Methionina	23.453	81274	0.739	2.819
15	Valina	23.715	519642	4.728	1.502
16		23.902	212854	1.937	1.098
17	Fenilalanina	24.057	146051	1.329	0.879
18	Ileusina	24.783	367373	3.342	4.324
19	Leusina	25.018	395567	3.599	1.498
20	Lysina	25.965	111289	1.013	6.013
21		26.176	187278	1.704	1.129
22		27.225	35783	0.326	4.698
23		27.453	43557	0.396	1.122
Total			10991239	100.000	

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Lampiran 3. Hasil Analisa Asam Amino Hidrolisat Beku 30 Hari



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LABORATORY TEST REPORT

Page 1 of 2

Certificate No. : LT-10-17-1012
Laboratory No. : BM/X/17/2647
Sample Matrix : Material (Cairan)
Sample Id : Beku (Hidrolisat Kepala Udang)
Packaging : Plastic

Received Date : 31-10-2017
Finished Date : 27-11-2017

Parameter	Result	Unit	Method
Amino Acid			
Aspartic acid	0.63	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Glutamic acid	1.46	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Serine	0.13	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Histidine	0.05	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Glycine	0.16	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Threonine	0.15	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Arginine	0.13	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Alanine	0.55	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Tyrosine	0.10	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Methionine	0.09	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Valine	0.21	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Phenylalanine	0.18	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
I-leucine	0.21	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Leucine	0.26	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Lysine	0.21	% w/w	IK.LP-04.7-LT-1.0 (HPLC)
Amino Acid Total	4.53	% w/w	IK.LP-04.7-LT-1.0 (HPLC)

REMARKS:

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November 28, 2017
Head of Laboratory,

Dr. Komar Sutriah, MS
NIP. 19630705 199103 1 004

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Lampiran 4. Peak Hasil Analisa Asam Amino Hidrolisat Beku 30 Hari



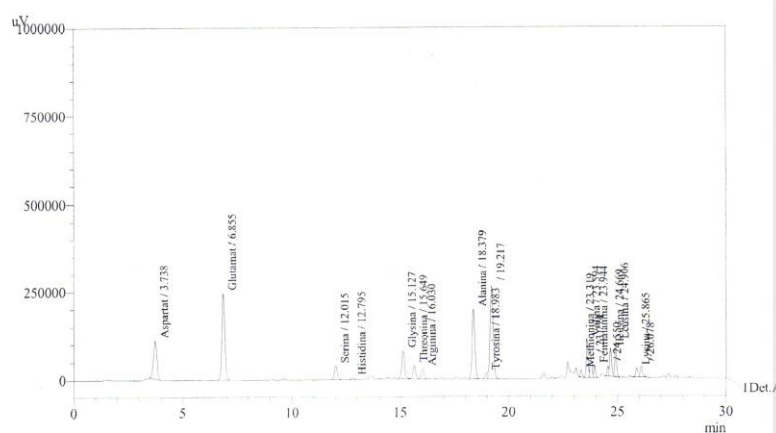
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 Phone/Fax. 0251-8319894, 8323571, Email : admin@ilab-ipb.org ISO/IEC 17025 Certificate No : LP-156-IDN

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LABORATORY TEST REPORT

Page 3 of 3

Analysis Date & time : 11/21/2017 3:04:31 PM
 User Name : Admin
 Sample Name : LT-10-17-1012 (BM-X-17-2647-2648) MATERIAL HIDROLISAT PROTEIN
 Sample ID : KEPALA UDANG BEKU



1 Det.A Ch1 / 350nm - 450nm

Detector A Ch1 350nm - 450nm

Peak#	Name	Ret. Time	Area	Area %	Resolution
1	Aspartat	3.738	1171331	9.363	0.000
2	Glutamat	6.855	2269983	18.145	11.334
3	Serina	12.015	356518	2.850	20.449
4	Histidina	12.795	42794	0.342	3.187
5	Glysina	15.127	728183	5.821	9.587
6	Threonina	15.649	332884	2.661	2.124
7	Arginina	16.030	247832	1.981	1.579
8	Alanina	18.379	1797755	14.370	9.570
9	Tyrosina	18.983	131269	1.049	1.042
10		19.217	2582044	20.640	0.397
11	Methionina	23.319	118569	0.948	18.707
12	Valina	23.594	637651	5.097	1.616
13		23.774	330144	2.639	1.013
14	Fenilalanina	23.944	187246	1.497	0.946
15		24.550	133100	1.064	3.179
16	Ileusina	24.669	502739	4.019	0.605
17	Leusina	24.906	539615	4.313	1.390
18	Lysina	25.865	172049	1.375	5.633
19		26.078	228423	1.826	1.066
Total			12510129	100.000	

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